

## **UNCRATING/INSTALLATION INSTRUCTIONS**

**Basil® 3600 Bedding Dispenser**

**(2009-03-31)**

**P122997-217**

# A WORD FROM STERIS CORPORATION

---

Follow each step of the *UNCRATING/INSTALLATION INSTRUCTIONS* in the **order presented**. Open the carton carefully to avoid damage to the equipment inside. If you find any indication of damage to the equipment, no matter how slight, show it to your supervisor.

To properly install this Basil® 3600 Bedding Dispenser, you need the equipment drawing (previously furnished) showing all utility service and space requirements. If the equipment drawing cannot be located, contact STERIS for a replacement copy, providing the serial and model numbers of the bedding dispenser.

Once installed, equipment operation should be tested by a qualified service technician prior to use.

If STERIS supervision is desired for installing and starting up this equipment, contact STERIS for pricing and availability of this service in your region.

---

## Advisory

**IMPORTANT:** *A listing of the Safety Precautions to be observed when uncrating/installing and testing this bedding dispenser can be found in SECTION 1 of this manual. Do not begin uncrating/installing the equipment until you have become familiar with this information.*

Any alteration of this equipment not authorized or performed by STERIS will void the warranty. Alteration of equipment which could adversely affect its operation and efficacy and may violate national, state and local laws or regulations.

**IMPORTANT:** *Refer to local occupational health and safety regulations, as well as electric and plumbing codes, for any special requirements that may pertain to installation of this bedding dispenser.*

---

## Indications For Use

The **Basil 3600 Bedding Dispenser** is an automatic, conveyORIZED unit designed to dispense bedding into animal cages as they pass through the unit. The bedding dispenser is capable of handling most solid bedding used in the care of laboratory animals.

## Service Information

A thorough preventive maintenance program is essential to help ensure safe and proper equipment operation. Customers are encouraged to contact STERIS concerning our comprehensive annual maintenance program. Under the terms of the program, preventive maintenance, adjustments and replacement of worn parts are performed on a scheduled basis to help ensure equipment performance at peak capability and to help avoid untimely or costly interruptions.

STERIS maintains a global staff of well-equipped, qualified service technicians to provide this service, as well as expert repair services. Please contact STERIS for details.

STERIS carries a complete line of accessories for use in this equipment. A STERIS representative will gladly review these with you.

The base language of this document is **ENGLISH**. Any translation must be made from the base language document.



### Manufactured by:

Corporation STERIS Canada  
490, boulevard Armand-Paris  
Québec, Qc,  
G1C 8A3  
CANADA

### Sales and Service:

STERIS Corporation  
5960 Heisley Road  
Mentor, Ohio 44060  
440-354-2600 • 800-444-9009

[www.steris.com](http://www.steris.com)



STERIS Limited  
STERIS House  
Jays Close  
Viables  
Basingstoke  
Hampshire  
RG22 4AX  
United Kingdom

# TABLE OF CONTENTS

| Section Number | Description                                               | Page       |
|----------------|-----------------------------------------------------------|------------|
|                | <b>A WORD FROM STERIS CORPORATION .....</b>               | <b>I</b>   |
|                | Advisory .....                                            | i          |
|                | Indications For Use .....                                 | i          |
|                | Service Information .....                                 | ii         |
| <b>1</b>       | <b>SAFETY PRECAUTIONS .....</b>                           | <b>1-1</b> |
| <b>2</b>       | <b>UNCRATING INSTRUCTIONS .....</b>                       | <b>2-1</b> |
|                | 2.1 Open Crates .....                                     | 2-1        |
|                | 2.2 Move Sections and Remove Skids .....                  | 2-2        |
|                | 2.3 Prepare Bedding Dispenser For Installation .....      | 2-3        |
| <b>3</b>       | <b>INSTALLATION INSTRUCTIONS .....</b>                    | <b>3-1</b> |
|                | 3.1 Before Installing Bedding Dispenser .....             | 3-1        |
|                | 3.2 Technical Specifications .....                        | 3-2        |
|                | 3.2.1 Voltage, Amperage and Power Consumption .....       | 3-2        |
|                | 3.2.2 Permissible Environmental Conditions .....          | 3-2        |
|                | 3.2.3 Seismic Anchorage System .....                      | 3-2        |
|                | 3.3 Installing Conveyor .....                             | 3-3        |
|                | 3.4 Installing Dust Collection System .....               | 3-4        |
|                | 3.5 Connect Utilities .....                               | 3-5        |
|                | 3.6 Cleanup .....                                         | 3-6        |
| <b>4</b>       | <b>INSTALLATION CHECKLIST .....</b>                       | <b>4-1</b> |
| <b>5</b>       | <b>OPERATIONAL TEST .....</b>                             | <b>5-1</b> |
|                | 5.1 Start-Up Test Procedures .....                        | 5-1        |
|                | 5.2 Transfer Plates For Different Bedding Types .....     | 5-3        |
|                | 5.2.1 Curved Transfer Plate With Bedding Fall Guide ..... | 5-4        |
|                | 5.2.2 Flat Transfer Plate .....                           | 5-6        |

# LIST OF ILLUSTRATIONS

---

| Figure                                      | Description                                                   | Page |
|---------------------------------------------|---------------------------------------------------------------|------|
| <b>Section 2: Uncrating Instructions</b>    |                                                               |      |
| 2-1                                         | Crates .....                                                  | 2-2  |
| <b>Section 3: Installation Instructions</b> |                                                               |      |
| 3-1                                         | Disconnect Switch For Electrical Supply .....                 | 3-1  |
| 3-2                                         | Installing Conveyor .....                                     | 3-3  |
| 3-3                                         | Dust Collection System .....                                  | 3-4  |
| 3-4                                         | Conveyor Motor Wiring .....                                   | 3-5  |
| <b>Section 5: Operational Test</b>          |                                                               |      |
| 5-1                                         | Adjust Cage Size For Flip-Over Rotation .....                 | 5-2  |
| 5-2                                         | Bedding Types and Transfer Plates .....                       | 5-3  |
| 5-3                                         | Installing Curved Transfer Plate and Bedding Fall Guide ..... | 5-5  |
| 5-4                                         | Installing Flat Transfer Plate .....                          | 5-6  |

# SAFETY PRECAUTIONS

---

1

The following *Safety Precautions* **must** be observed when uncrating/installing, operating or servicing this **Basil® 3600 Bedding Dispenser**. WARNING indicates the potential for personal injury and CAUTION indicates the potential for damage to equipment. For emphasis, certain *Safety Precautions* are repeated throughout the manual. **It is important to review ALL *Safety Precautions* before operating or servicing the bedding dispenser.**

---

## WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:



Fans and motors have rotating parts and pinch points. When operating a unit equipped with dust collection system, ensure exhaust guard, elbow and dust bag are securely in place.



Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Non-routine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, void the warranty or result in costly damage. Contact STERIS regarding service options.



When moving the unit, use a forklift.

---

## WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:



Disconnect all utilities to dispenser before servicing. Do not service dispenser unless all utilities have been properly locked out. Always follow local lockout-tagout and electrical safety-related work practice standards.



Fasteners and star washers are used to ensure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.

---

## WARNING – LACERATION AND/OR EYE INJURY HAZARD:



When removing bands, wear appropriate Personal Protective Equipment (PPE) and always use a tool specifically designed to cut bands. Bands used to secure this carton can cause personal injury when cut and tension is released.

---

## WARNING – LACERATION HAZARD:



When removing bolts, wear gloves to protect your hands.

---

## WARNING – HEALTH HAZARD:



Vapors from solvents can be harmful. Use with adequate ventilation. Follow directions on the container.

---

## CAUTION – POSSIBLE EQUIPMENT DAMAGE:



After utilities are connected to equipment, slowly remove the protective adhesive paper from the exterior cabinet panels to reduce the level of static discharge.



Ensure a cooling fan is attached to rear motor shaft. Verify fan blades are positioned to send airflow to motor. Motor will overheat without a cooling fan.



Once electrical power is connected, verify each motor for correct rotation. Incorrect motor rotation may result in equipment damage and improper equipment operation.



When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on bedding dispenser assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.

**IMPORTANT:** Refer to the local occupational health and safety regulations, as well as electric and plumbing codes, for any special requirements that may pertain to installation of this unit.

---

The table below contains symbols which may be on the crate of your **Basil 3600 Bedding Dispenser**:

**Table 1-1. Definition of Symbols**

| Symbol                                                                              | Definition                                |
|-------------------------------------------------------------------------------------|-------------------------------------------|
|    | Maximum Shipping and Storing Temperature. |
|    | Maximum Humidity Level.                   |
|    | This Way Up.                              |
|    | Do Not Stack.                             |
|    | Fragile.                                  |
|  | Keep Dry.                                 |

The table below contains symbols which may be on your **Basil 3600 Bedding Dispenser** components:

**Table 1-2. Definition of Symbols**

| Symbol                                                                              | Definition                                        |
|-------------------------------------------------------------------------------------|---------------------------------------------------|
|  | Protective Earth (Ground).                        |
|  | Warning! Risk of Electrical Shock.                |
|  | Warning. Refer to Manual For Further Information. |
|  | Rotation Direction.                               |

The table below contains symbols which may be on the identification nameplate of your **Basil 3600 Bedding Dispenser**:

**Table 1-3. Definition of Symbols**

| <b>Symbol</b>      | <b>Definition</b>                                                       |
|--------------------|-------------------------------------------------------------------------|
| <b>MOD.</b>        | Model Number of Bedding Dispenser.                                      |
| <b>SER.</b>        | Serial Number of Bedding Dispenser.                                     |
| <b>kW</b>          | Power Rating of Bedding Dispenser.                                      |
| <b>V</b>           | Voltage Rating of Bedding Dispenser.                                    |
| <b>A</b>           | Amperage Rating of Bedding Dispenser.                                   |
| <b>PH/Hz</b>       | Phase of Bedding Dispenser/Hertz – Frequency of Bedding Dispenser.      |
| <b>WIRE X + PE</b> | Number of Wires [X] in the Electrical Cable and Protective Ground Wire. |

# UNCRATING INSTRUCTIONS

2



**IMPORTANT:** A listing of the Safety Precautions to be observed when uncrating/installing and testing this bedding dispenser can be found in SECTION 1 of this manual. Do not begin uncrating/installing the equipment until you have become familiar with this information.

## 2.1 Open Crates



**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** When moving the unit, use a forklift.



**WARNING – LACERATION AND/OR EYE INJURY HAZARD:** When removing bands, wear appropriate Personal Protective Equipment (PPE) and always use a tool specifically designed to cut bands. Bands used to secure this carton can cause personal injury when cut and tension is released.

**NOTE:** Before opening any crates, note the following:

- 1) Unit weighs approximately 1,800 lb (816 kg). Use a forklift to move the unit.
  - 2) Uncrate on level floor as close to installation site as possible.
  - 3) Verify each crate for identification sticker indicating crate number (see Figure 2-1).
1. Ensure crates are positioned so they open from top. Provide a clear work area on all sides.
    - **Crate 1** contains conveyor base and pans for dust collection system.
    - **Crate 2** contains load/unload conveyor.
  2. Carefully cut and remove bands from **Crate 1**. Discard bands before continuing.
  3. Using a nail puller, remove and discard top wooden panel.
  4. Using a nail puller, remove and discard side wooden panels.
  5. Using a nail puller, remove and discard wooden frame from conveyors.
  6. Remove and discard polystyrene wrap from around unit.
  7. Take out two «V» shaped pans from crate and put safely aside.
  8. Repeat **Steps 1 to 7** for **Crate 2**.

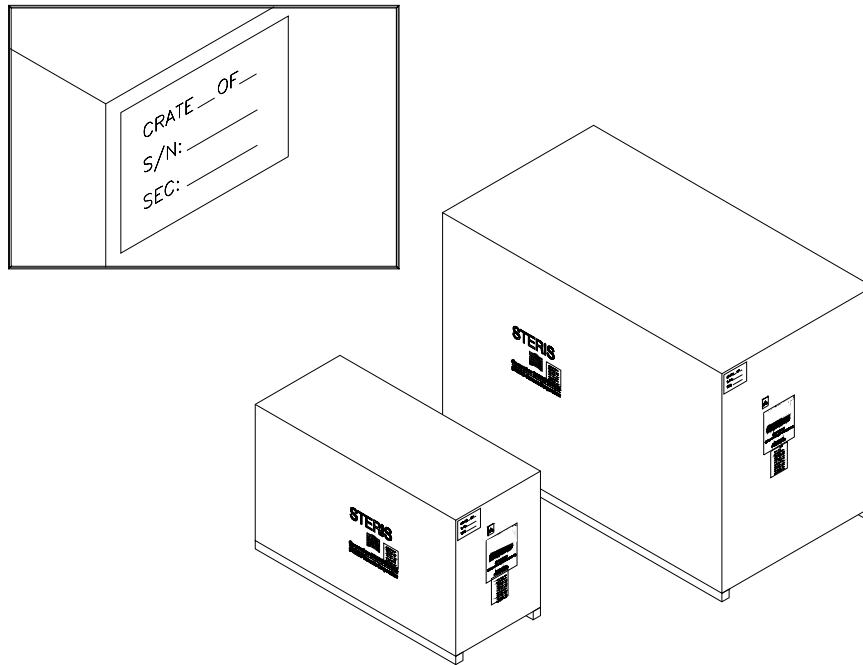


**Figure 2-1. Crates**

## **2.2 Move Sections and Remove Skids**



**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE**  
**HAZARD:** When moving the unit, use a forklift.



**WARNING – LACERATION HAZARD:** When removing bolts, wear gloves to protect your hands.

1. With units still mounted on skids, use a forklift to move both sections to installation site.
2. Remove six lag bolts securing each section base to skid.
3. Remove and discard skid from under each section. If necessary, use a piece of plywood as a small ramp to slide each section from skid to floor.

## 2.3 Prepare Bedding Dispenser For Installation



### CAUTION – POSSIBLE EQUIPMENT HAZARD:

- After utilities are connected to equipment, slowly remove the protective adhesive paper from the exterior cabinet panels to reduce the level of static discharge.
- When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on bedding dispenser assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.

*NOTE: Do not remove protective adhesive paper from the exterior cabinet panels until after utilities are connected.*

1. Remove all tape from bedding dispenser.
2. Locate electrical box compartment keys located in an envelope taped on bedding dispenser electrical box.
3. Remove envelope labeled «Customer Information» containing *Operator Manual* (P122996-163) taped on bedding dispenser electrical box. Ensure appropriate person receives *Operator Manual*. Give keys to department supervisor.

**IMPORTANT:** Items needed to assemble bedding dispenser are enclosed in a box labeled "Hardware" included inside **Crate 1** (see number on sticker affixed on crate). "Hardware" box contains spare bolts, washers, nuts and other items.

4. Discard all packing material removed during uncrating procedures.

# INSTALLATION INSTRUCTIONS

3



**IMPORTANT:** A listing of the Safety Precautions to be observed when uncrating/installing and testing this bedding dispenser can be found in SECTION 1 of this manual. Do not begin uncrating/installing the equipment until you have become familiar with this information.

## 3.1 Before Installing Bedding Dispenser



**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE**  
**HAZARD:** Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Non-routine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, void the warranty or result in costly damage. Contact STERIS regarding service options.

### See Figure 3-1.

1. Review installation requirements:
  - a. Clearance – clearance space shown on equipment drawing (122-998-267 or 122-998-283) indicates space necessary for easy installation and proper operation and maintenance of Basil® 3600 Bedding Dispenser.  
For best results, tunnel cage washer conveyor should be 10-3/4 to 11" (273 to 279 mm) higher than bedding dispenser conveyor.  
Tunnel cage washer conveyor opening must be aligned within 1/8" to ensure functionality of chute conveyor safety device.  
Bedding dispenser and tunnel washer can be welded together; however, placing them next to each other without a gap is sufficient.
  - b. Utility service lines:
    - Disconnect switch (not provided by STERIS) must be installed in electric supply line near bedding dispenser (see Figure 3-1). Disconnect switch must be capable of being locked in OFF position only.
    - If bedding dispenser is installed next to other equipment, disconnect switch should be located so service can be shut off to one piece of equipment at a time.
    - Utility service requirements are as shown on equipment drawing. Verify equipment drawing or identification plate (located over electrical box cover) for proper voltage.
2. Ensure bedding dispenser is placed, as shown on equipment drawing (122-998-267 or 122-998-283), in correct relation to building supply lines.

**NOTE:** If bedding dispenser is not at installation site, see SECTION 2.2, MOVE SECTIONS AND REMOVE SKIDS, for proper moving instructions.
3. Verify bedding dispenser is level.
  - a. Place a spirit level on top of each conveyor.
  - b. If necessary, level bedding dispenser, end-to-end and side-to-side, by adjusting leveling legs.

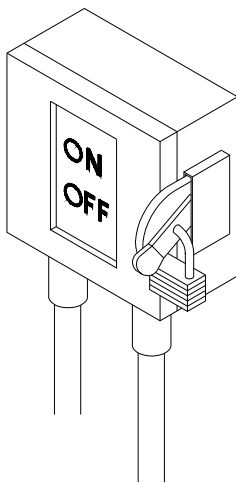


**Figure 3-1. Disconnect Switch For Electrical Supply**

### 3.2 Technical Specifications

---

These specifications are intended to describe the technical information given on the identification nameplate of your bedding dispenser and to state other relevant information. Verify equipment drawing or identification nameplate, located in chemical storage compartment, for proper voltage and amperage.

#### 3.2.1 Voltage, Amperage and Power Consumption

The **Basil 3600 Bedding Dispenser** operates on:

- 208 V, 60 Hz, three-phase, neutral, four-wire
- 480 V, 60 Hz, three-phase, three-wire

Maximum current and power consumptions are:

|         | <b>Amp</b> | <b>kW</b> |
|---------|------------|-----------|
| • 208 V | 13.9       | 2.6       |
| • 480 V | 5.6        | 2.7       |

See *SECTION 3.5, CONNECT UTILITIES*, for proper connection.

#### 3.2.2 Permissible Environmental Conditions

This equipment is designed to give optimal results in an environment where maximum relative humidity is 80% for temperatures up to 88°F (31°C), decreasing linearly to 50% relative humidity at 104°F (40°C).

#### 3.2.3 Seismic Anchorage System

A seismic anchorage system is available for high-risk seismic zones.

### 3.3 Installing Conveyor

**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Non-routine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, void the warranty or result in costly damage. Contact STERIS regarding service options.

**WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:** Fasteners and star washers are used to ensure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.

See Figure 3-2.

1. Insert load/unload conveyor into bedding dispenser using four provided lag bolts.
2. Install base conveyor inlet and base conveyor outlet using 1/4-20 x 3/4" bolts.
3. Install dust deflectors.

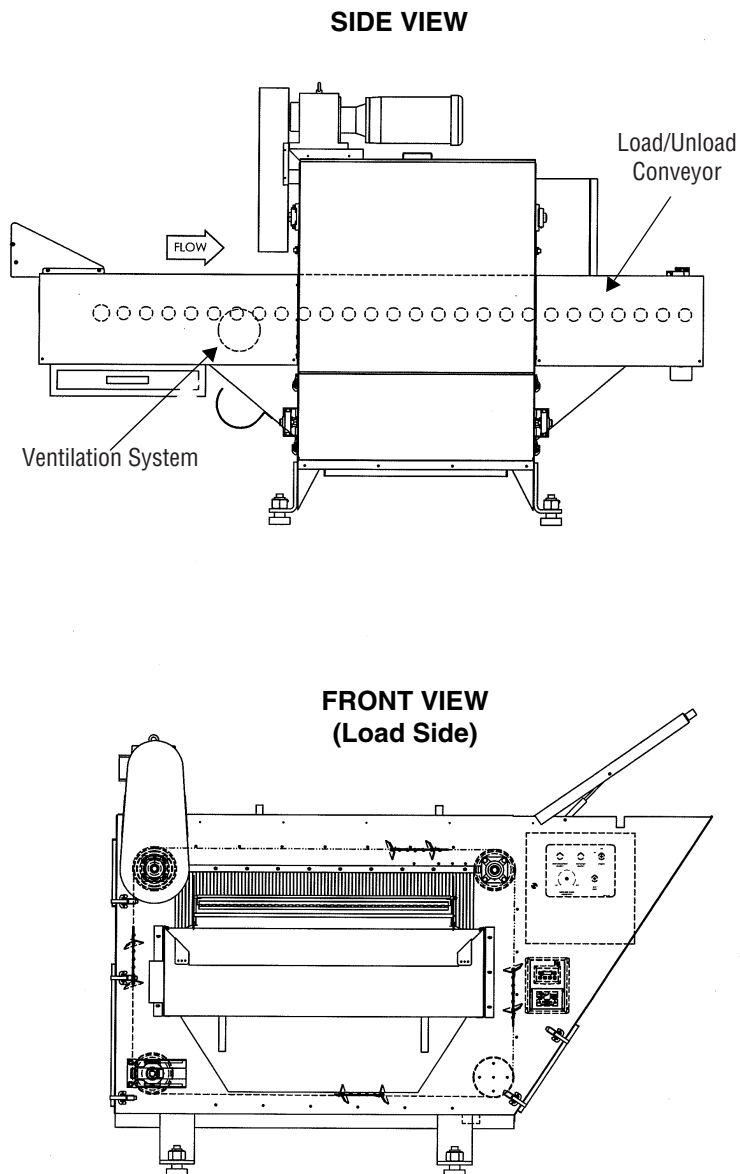


**Figure 3-2. Installing Conveyor**

### 3.4 Installing Dust Collection System



**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Non-routine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, void the warranty or result in costly damage. Contact STERIS regarding service options.



**WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:** Fasteners and star washers are used to ensure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.

See Figure 3-3.

1. Connect 6" (152 mm) diameter black hose and reducer to inlet elbow using two provided clamps.
2. Connect other end of hose to exhaust filter using provided clamp.
3. Ensure black hose does not hang or form humps below suction system inlet level to avoid a loss of suction or hose being clogged.
4. Unscrew metal setscrews located over dust collection system exhaust.
5. Connect 6" (152 mm) galvanized steel elbow over dust collection system blower discharge guard.
6. Insert sleeve inside dust collection bag.
7. Large lip must be inserted so it holds bag tightly.
8. Secure sleeve to bag with provided clamp.
9. Slide sleeve over elbow and secure with provided clamps.
10. Secure elbow over dust collection system exhaust with previously removed setscrews.

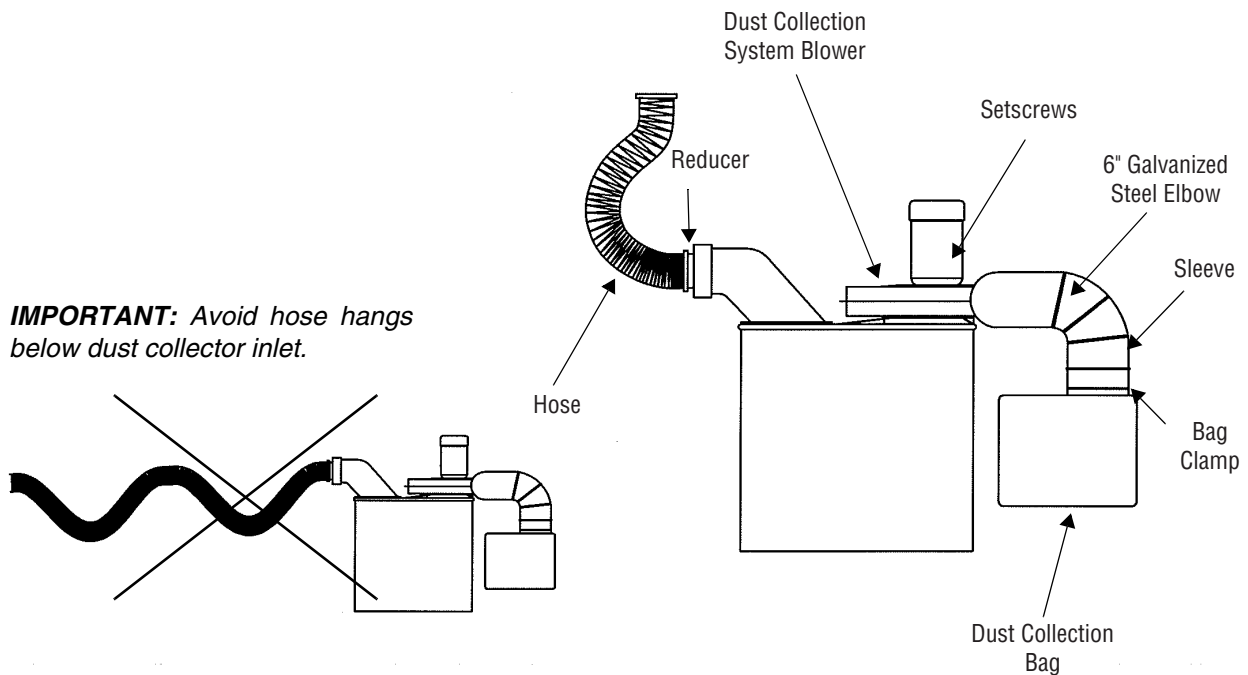


Figure 3-3. Dust Collection System

### 3.5 Connect Utilities

**⚠ WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Non-routine maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, void the warranty or result in costly damage. Contact STERIS regarding service options.

**⚠ WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:** Fasteners and star washers are used to ensure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.

See Figure 3-4.

1. Connect conveyor motor as per Figure 3-4.
2. Connect dust collection system electrical supply line from unit to dust collection motor, securing connections with wire nuts:
  - Red wire with T1
  - Black wire with T2
  - Blue wire with T3
3. **If bedding dispenser is to be used with a Basil® 6700 Tunnel Cage Washer**, make following wire connections:
  - a. Secure wire conduit located at unload end of Basil 6700 Tunnel Cage Washer in bedding dispenser electrical box.
  - b. Connect wires to their corresponding (numbered) terminal in bedding dispenser electrical box.
4. **Knocked-down shipment and photoelectric conveyor stop:**
  - a. Secure wire conduit of photoelectric sensor in bedding dispenser electrical box.
  - b. Connect wires to their corresponding (numbered) terminals in bedding dispenser electrical box.

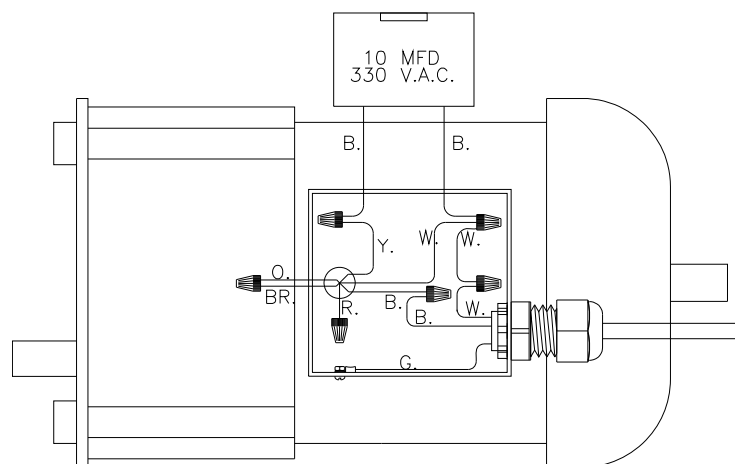


**Figure 3-4. Conveyor Motor Wiring**

### 3.6 Cleanup



**WARNING – HEALTH HAZARD:** Vapors from solvents can be harmful. Use with adequate ventilation. Follow directions on the container.



**CAUTION – POSSIBLE EQUIPMENT HAZARD:**

- After utilities are connected to equipment, slowly remove the protective adhesive paper from the exterior cabinet panels to reduce the level of static discharge.
- When removing adhesives from stainless steel, use a solvent specially formulated for that purpose. Rub in a back-and-forth motion (in same direction as surface grain). Solvent rubbed in a circular motion or applied with a wire brush or steel wool on bedding dispenser assemblies can be harmful to stainless steel. Do not use solvents on painted surfaces.

1. Remove any adhesive found on panels with a small amount of nonflammable cleaning solvent. Keep solvents away from all painted surfaces or damage may result.
2. Remove all protective paper from unit cabinet panels. Slowly peel paper away from stainless steel to reduce level of static discharge.
3. Inspect dispenser and work area to ensure all materials used during installation have been removed.

**THIS COMPLETES THE INSTALLATION.** Before operating bedding dispenser, confirm all items on installation checklist (*SECTION 4*) have been satisfactorily implemented and operational test (*SECTION 5*) is conducted by a qualified service technician.

# INSTALLATION CHECKLIST

4



**IMPORTANT:** A listing of the Safety Precautions to be observed when uncrating/installing and testing this bedding dispenser can be found in SECTION 1 of this manual. Do not begin uncrating/installing the equipment until you have become familiar with this information.

Installation checklist must be completed after Basil® 3600 Bedding Dispenser is installed and prior to performing operational test to help ensure complete and correct installation.

**NOTE:** Contact STERIS to schedule a technician to test your installation and demonstrate proper equipment operation.

- ☐ Disconnect switch (not provided by STERIS), capable of being locked in OFF position only, is installed in electrical supply line in same room as bedding dispenser and within 10 feet (3 m) of electrical control box and in compliance with local occupational health and safety regulations, as well as electric codes for any special requirements that may pertain to installation of this bedding dispenser.

**NOTE:** If bedding dispenser is installed next to other equipment, disconnect switches should be located so service can be shut off to one piece of equipment at a time.

- ☐ Bedding dispenser is positioned as shown on equipment drawing (122-998-267 or 122-998-283), with required clearance space and in relation to building supply lines.
- ☐ Electrical supply for bedding dispenser is as specified on equipment drawing.
- ☐ Both conveyor motors (load/unload drive motor and bedding conveyor motor) rotate in same direction shown by arrow.
- ☐ Exhaust guard, elbow and dust collection bag are in position.
- ☐ Verify cage flip-over system is firmly installed and in proper position.
- ☐ Verify photoelectric switch is properly installed at end of unload conveyor.



**IMPORTANT:** A listing of the Safety Precautions to be observed when uncrating/installing and testing this bedding dispenser can be found in SECTION 1 of this manual. Do not begin uncrating/installing the equipment until you have become familiar with this information.

## 5.1 Start-Up Test Procedures



**WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD:** Fans and motors have rotating parts and pinch points. When operating a unit equipped with dust collection system, ensure exhaust guard, elbow and dust bag are securely in place.



**WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:** Disconnect all utilities to dispenser before servicing. Do not service dispenser unless all utilities have been properly locked out. Always follow local lockout-tagout and electrical safety-related work practice standards.

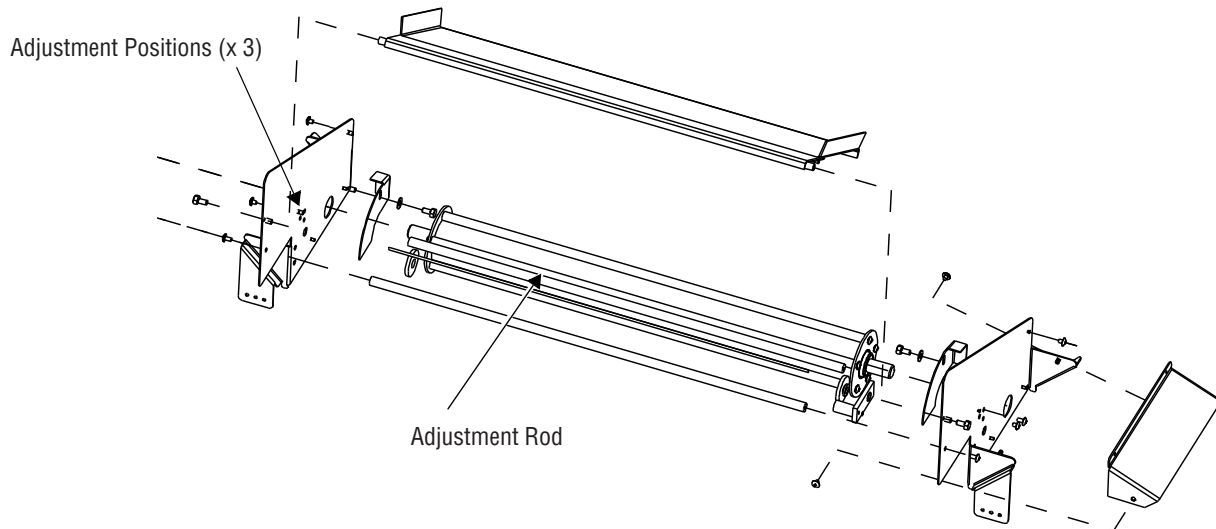


**CAUTION – POSSIBLE EQUIPMENT HAZARD:** Once electrical power is connected, verify each motor for correct rotation. Incorrect motor rotation may result in equipment damage and improper equipment operation.

See Figure 5-1.

1. Ensure storage hopper is filled with bedding.
2. Position **Power ON/OFF** selector switch to **ON**.
3. Pull **Unit STOP** pushbutton (red) to start conveyor.
4. After pulling **Unit STOP** pushbutton, wait two seconds and push **Dispenser ON/OFF** pushbutton to activate bedding dispenser system.
5. Press **Dust Collector ON/OFF** pushbutton to activate dust collection system.
6. If necessary, adjust amount of bedding desired in cages using **Dispenser Adjustment** knob to increase/decrease bedding flow.
7. Position a few cages top side up on load-end conveyor.  
*NOTE: Cages of cage flip-over system are automatically flipped from inverted position to top side up position when exiting Basil® 6700 Tunnel Cage Washer.*
8. Let bedding dispenser run for a few minutes.
9. Verify rotation of conveyor motors. Motors should turn in direction shown by arrow. If motors are rotating in wrong direction, disconnect main power, reverse any two three-phase wires and verify shaft rotation again.
10. Verify rotation of dust collection motor fan. Fan should rotate clockwise (in same direction as outlet of blower casing). If fan motor is rotating in wrong direction, disconnect main power, reverse any two three-phase wires and verify shaft rotation again.
11. Adjust cage size for cage flip-over system as follows:
  - a. Remove two 10-32 screws.
  - b. Move adjustment rod to one of the four positions available (see Figure 5-1).  
*IMPORTANT: Adjustment rod must be installed in the same position on each side of cage flip-over module.*
12. Position **Power ON/OFF** selector switch to **OFF** position. Verify bedding dispenser conveyor operation stops.

**Units Up to S/N 3609009000**



**Units From S/N 3609109000**

**IMPORTANT:** Shear bolts are a safety device in case something gets clogged in rotating roller. Please replace with proper bolt to ensure safety device functionality.

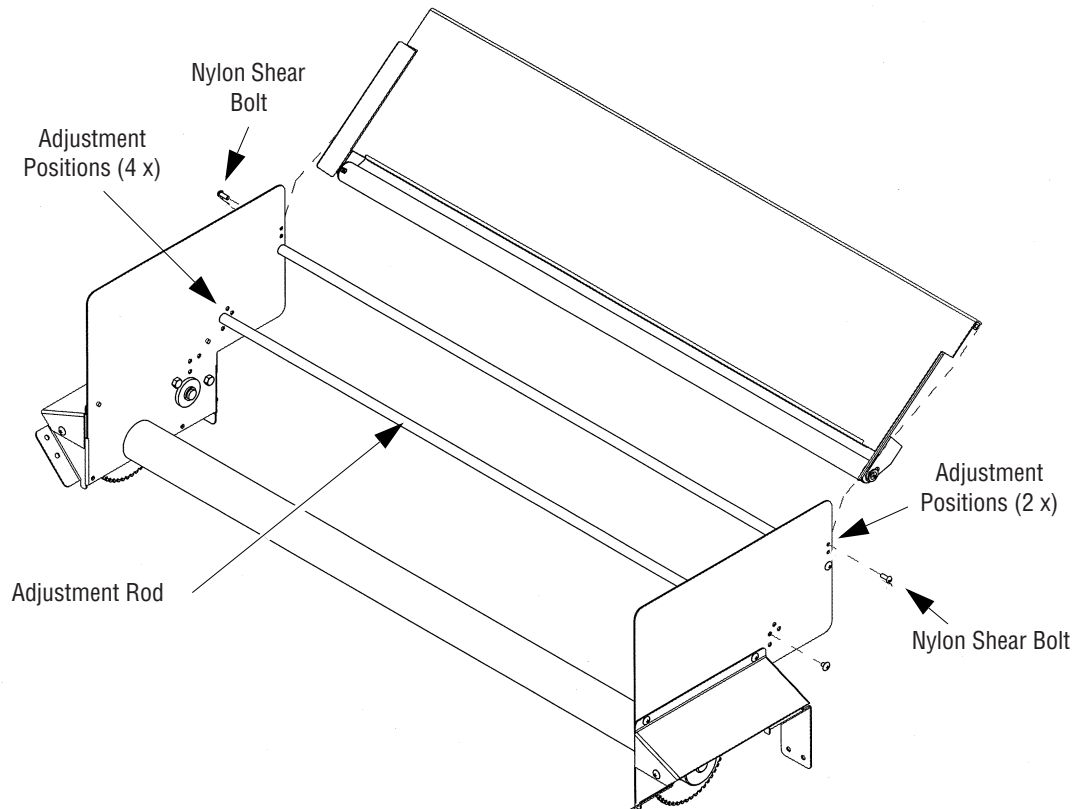


**Figure 5-1. Adjust Cage Size For Flip-Over Rotation**

## 5.2 Transfer Plates For Different Bedding Types

### **⚠ WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:**

- Disconnect all utilities to dispenser before servicing. Do not service dispenser unless all utilities have been properly locked out. Always follow local lockout-tagout and electrical safety-related work practice standards.
- Fasteners and star washers are used to ensure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.

### **⚠ WARNING – LACERATION HAZARD:** When removing bolts, wear gloves to protect your hands.

### **⚠ CAUTION – POSSIBLE EQUIPMENT HAZARD:** Ensure a cooling fan is attached to rear motor shaft. Verify fan blades are positioned to send airflow to motor. Motor will overheat without a cooling fan.

See Figure 5-2.

To help ensure Basil® 3600 Bedding Dispenser performance at peak capability, customer can choose to install either of the following transfer plates depending on the bedding used: the curved transfer plate with bedding fall guide or the flat transfer plate (see Figure 5-2).

- The curved transfer plate with bedding fall guide should be used when a 1/4" - 1/8" type of bedding is used to fill up the cages.
- The flat transfer plate should be used when a paper type of bedding is used to fill up the cages.

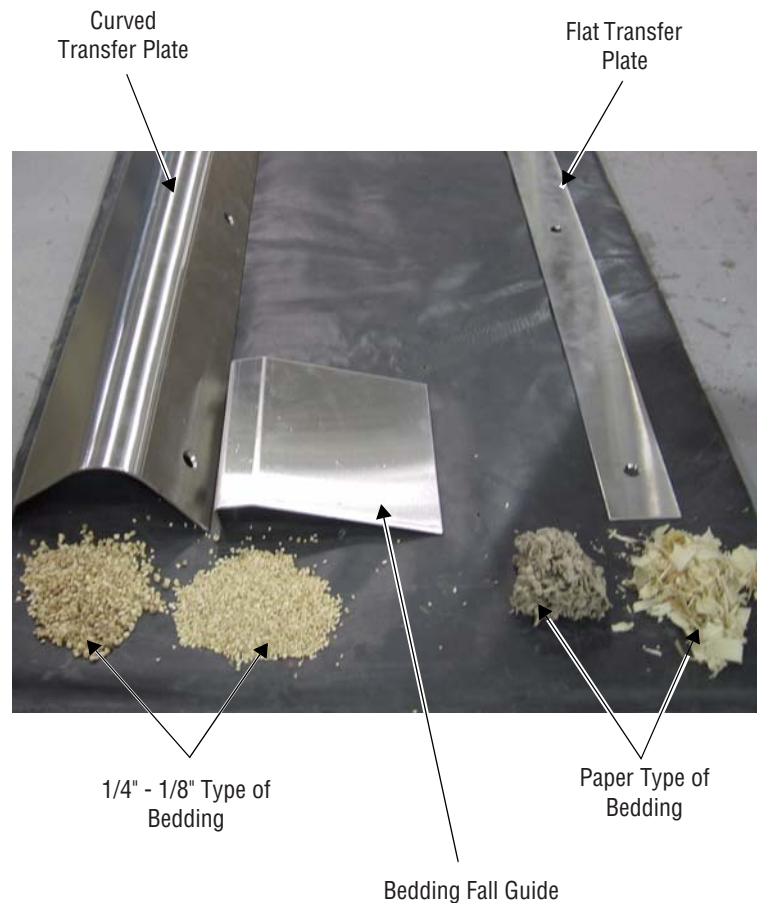


**Figure 5-2. Bedding Types and Transfer Plates**

### 5.2.1 Curved Transfer Plate With Bedding Fall Guide



#### **WARNING – ELECTRIC SHOCK AND/OR BURN HAZARD:**

- **Disconnect all utilities to dispenser before servicing. Do not service dispenser unless all utilities have been properly locked out. Always follow local lockout-tagout and electrical safety-related work practice standards.**
- **Fasteners and star washers are used to ensure protective bonding continuity. Always reinstall any star washer which may have been removed during installation or servicing.**



**WARNING – LACERATION HAZARD:** When removing bolts, wear gloves to protect your hands.



**CAUTION – POSSIBLE EQUIPMENT HAZARD:** Ensure a cooling fan is attached to rear motor shaft. Verify fan blades are positioned to send airflow to motor. Motor will overheat without a cooling fan.

See Figure 5-3.

**IMPORTANT:** Lock all electrical supply to bedding dispenser before changing transfer plates.

Install curved transfer plate and bedding fall guide as follows:

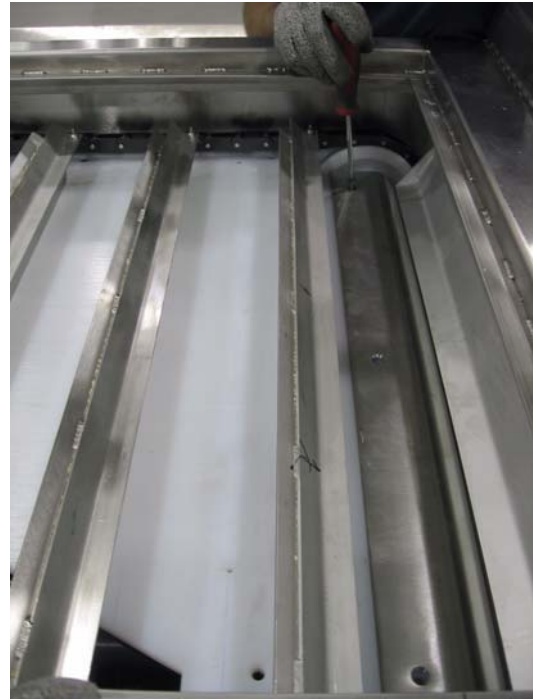
1. Install curved transfer plate (P117052-757) on end of upper part of bedding distributor plate (see Figure 5-3, Detail A).
2. Secure curved transfer plate using three countersunk bolts (see Figure 5-3, Detail B).
3. Install bedding fall guide (P117052-757) on frame of bedding dispenser (see Figure 5-3, Detail C).
4. Secure bedding fall guide using two bolts and nuts (see Figure 5-3, Detail C).

**Installation is now completed (see Figure 5-3, Detail D).**

**Detail A**



**Detail B**



**Detail C**



**Detail D**

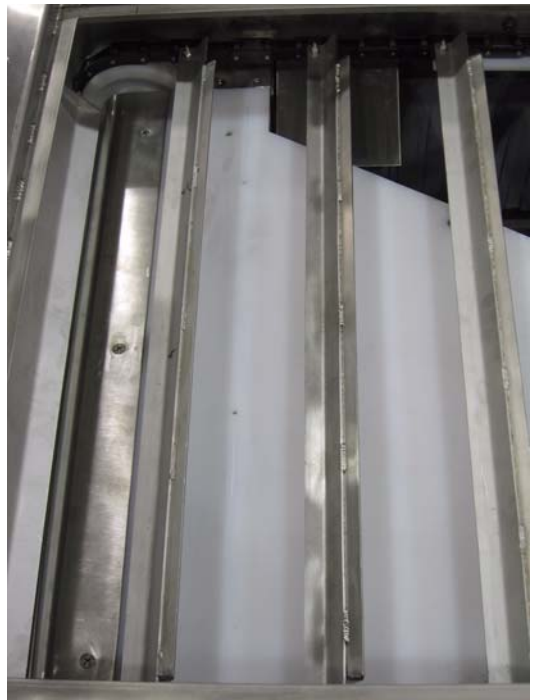


**Figure 5-3. Installing Curved Transfer Plate and Bedding Fall Guide**

### 5.2.2 Flat Transfer Plate

See Figure 5-4.



**WARNING—ELECTRIC SHOCK AND/OR BURN HAZARD:** Disconnect all utilities to dispenser before servicing. Do not service dispenser unless all utilities have been properly locked out. Always follow local lockout-tagout and electrical safety-related work practice standards.

**IMPORTANT:** Lock all electrical supply to bedding dispenser before changing transfer plates.

Install flat transfer plate as follows:

1. Install flat transfer plate (P117054-049) on end of upper part of bedding distributor plate (see Figure 5-4, Detail A).
2. Secure flat transfer plate using three countersunk bolts (see Figure 5-4, Detail B).

Installation is now completed (see Figure 5-4, Detail B).

Detail A

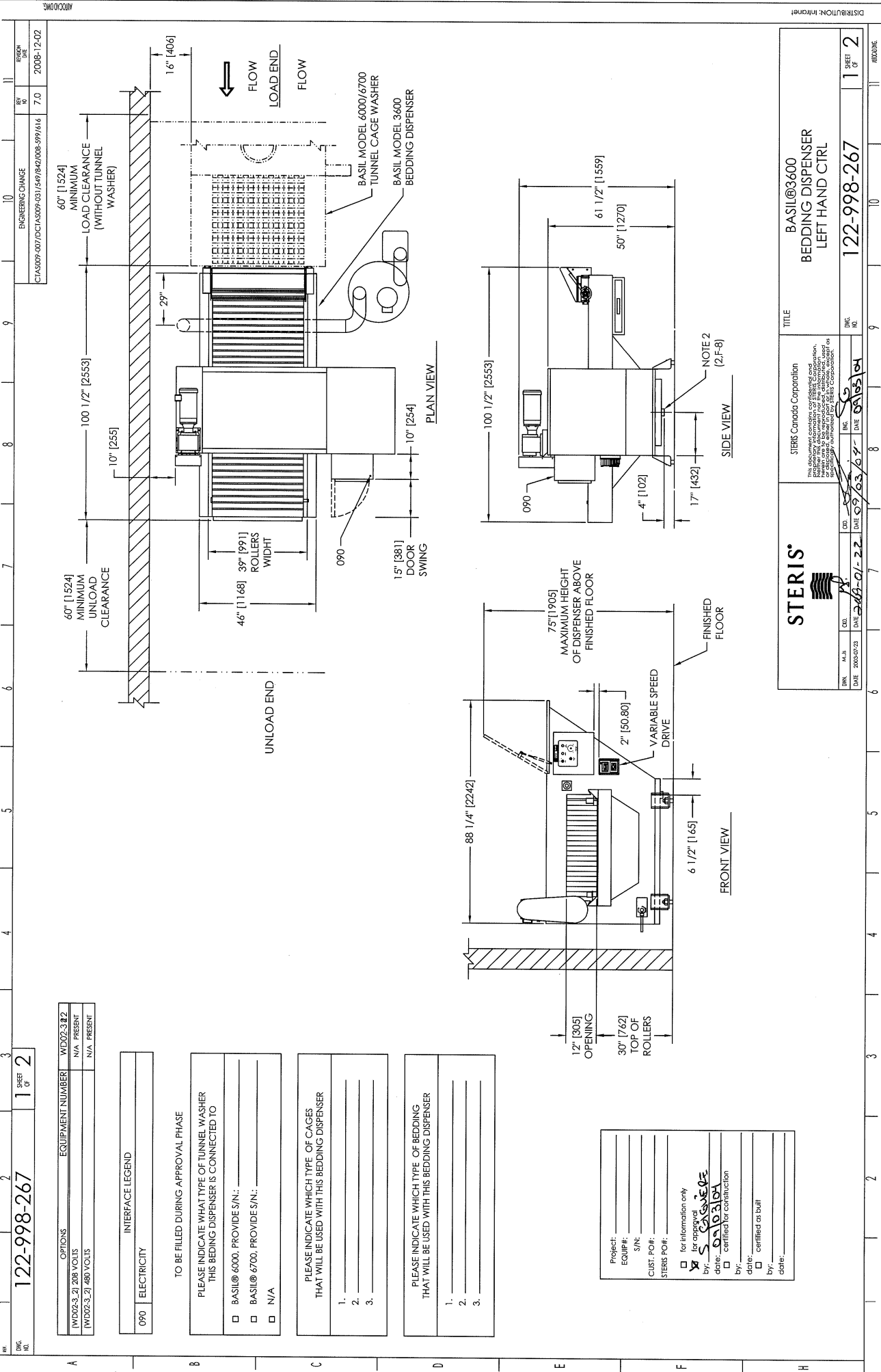


Detail B



Figure 5-4. Installing Flat Transfer Plate

**BASIL 3600 BEDDING DISPENSER IS NOW READY FOR NORMAL OPERATION.** Contact STERIS for a demonstration on how to operate the equipment. Refer to *Operator Manual* (P122996-163) for bedding dispenser operating instructions.



|                      |                  |            |            |
|----------------------|------------------|------------|------------|
| 122-998-267          |                  | 1          | SHEET OF 2 |
| OPTIONS              | EQUIPMENT NUMBER | WD02-3.2.2 |            |
| [WD02-3.2] 208 VOLTS | N/A              | PRESENT    |            |
| [WD02-3.2] 480 VOLTS | N/A              | PRESENT    |            |

|                  |             |
|------------------|-------------|
| INTERFACE LEGEND |             |
| 0°90             | ELECTRICITY |

TO BE FILLED DURING APPROVAL PHASE

PLEASE INDICATE WHAT TYPE OF TUNNEL WASHER THIS BEDDING DISPENSER IS CONNECTED TO

☐ BASIL@ 6000. PROVIDE S/N: \_\_\_\_\_

☐ BASIL@ 6700. PROVIDE S/N: \_\_\_\_\_

☐ N/A

PLEASE INDICATE WHICH TYPE OF CAGES THAT WILL BE USED WITH THIS BEDDING DISPENSER

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

PLEASE INDICATE WHICH TYPE OF BEDDING THAT WILL BE USED WITH THIS BEDDING DISPENSER

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Project: \_\_\_\_\_

Equip#: \_\_\_\_\_

S/N: \_\_\_\_\_

Cust. PO#: \_\_\_\_\_

Steris PO#: \_\_\_\_\_

☐ for information only

☒ for approval

by: S. Gaudet

date: 06/03/04

☐ certified for construction

by: \_\_\_\_\_

date: \_\_\_\_\_

☐ certified as built

by: \_\_\_\_\_

date: \_\_\_\_\_

**STERIS**  


STERIS Canada Corporation  
This document contains confidential and proprietary information of Steris Corporation. Reproduction or distribution of this document without the express written consent of Steris Corporation is prohibited.

TITLE

BASIL@3600  
BEDDING DISPENSER  
LEFT HAND CTRL

DATE: 2003/03/23

CD: 06/03/04

DATE: 06/03/04

CD: 06/03/04

INC. NO.

122-998-267

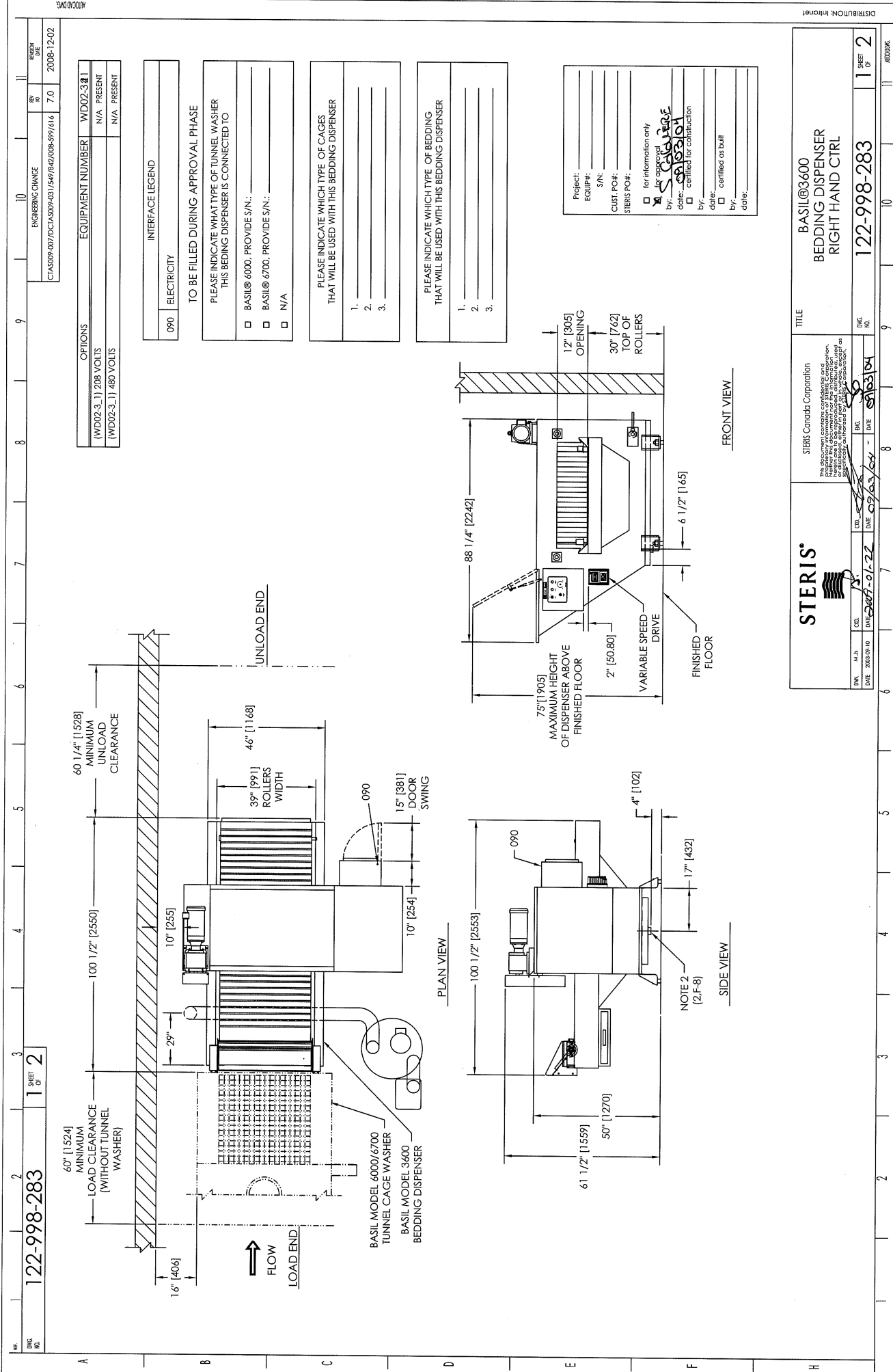
INC. NO.

1

SHEET OF

2





122-998-283 1 SHEET OF 2

ENGINEERING CHANGE 10

CTA5009-007/DC/AS009-031/549/842/008-999/616 7.0 2008-12-02

| OPTIONS              | EQUIPMENT NUMBER | WD02-3.1 |
|----------------------|------------------|----------|
| (WD02-3.1) 208 VOLTS | N/A              | PRESENT  |
| (WD02-3.1) 480 VOLTS | N/A              | PRESENT  |

| INTERFACE LEGEND |
|------------------|
| 090 ELECTRICITY  |

TO BE FILLED DURING APPROVAL PHASE

PLEASE INDICATE WHAT TYPE OF TUNNEL WASHER THIS BEDDING DISPENSER IS CONNECTED TO

☐ BASIL@ 6000: PROVIDE S/N: \_\_\_\_\_

☐ BASIL@ 6700: PROVIDE S/N: \_\_\_\_\_

☐ N/A

PLEASE INDICATE WHICH TYPE OF CAGES THAT WILL BE USED WITH THIS BEDDING DISPENSER

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

PLEASE INDICATE WHICH TYPE OF BEDDING THAT WILL BE USED WITH THIS BEDDING DISPENSER

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Project: \_\_\_\_\_

Equip#: \_\_\_\_\_

S/N: \_\_\_\_\_

CUST PO#: \_\_\_\_\_

STERIS PO#: \_\_\_\_\_

☒ for information only

☒ for approval

by: S. S. S. S.

date: 09/03/04

☐ certified for construction

by: \_\_\_\_\_

date: \_\_\_\_\_

☐ certified as built

by: \_\_\_\_\_

date: \_\_\_\_\_

STERIS Canada Corporation  
This document contains confidential and proprietary information of Steris Corporation. It is not to be distributed outside the organization or used for any purpose other than the intended purpose. All rights reserved.

TITLE

BASIL@3600  
BEDDING DISPENSER  
RIGHT HAND CTRL

DATE: 2003-09-10

DATE: 2007-01-22

DATE: 09/03/04

DATE: 09/03/04

DATE: 09/03/04

DATE: 09/03/04

122-998-283

1 SHEET OF 2

